

City of Flagstaff Wildcat Hill WWTP - Temporary Geotextile Solids Dewatering System

Capital Cost Estimate (Based on One Year Use)

| Item Description | Units | Capital Cost | Operational Cost |
|---|-----------|------------------|------------------|
| Mobilization/Demobilization | 1 Each | \$2,000 | |
| Clearing/Grubbing of Solids Settling Basin (SSB) III | 8500 SY | \$2,000 | |
| Prep and Compact SSB III | 8500 SY | \$6,000 | |
| Furnish/Install Geogrid & 12" Thick Compact Agg Base | 8500 SY | \$100,000 | |
| Prime and 2-Inch Thick Asphaltic Concrete | 8500 SY | \$85,000 | |
| Grade and Compact Access Roadway to SSB III | 975 SY | \$3,000 | |
| 6" Thick Compacted Aggregate Access Roadway Base | 975 SY | \$5,000 | |
| Prime and 3-Inch Thick Asphaltic Concrete Roadway | 975 SY | \$15,000 | |
| Geotube [®] - 60-Foot Circumference X 50-Foot Length | 3068 LF | \$0 | \$172,000 |
| Maintenance | 1 LS | \$0 | \$5,000 |
| Filter Fabric | 50 Rolls | \$25,000 | |
| Dewatering System Site Set-Up | 1 Each | \$5,000 | |
| Piping, Valving, and Appurtenances | 1 Each | \$20,000 | |
| Connection to Existing System - Piping to Headworks | 1 Each | \$50,000 | |
| Dewatering Polymer Pilot Testing (and Site Start-Up) | 1 Each | \$0 | \$7,000 |
| Dewatering Polymer (Purchase) | 22 Totes | \$0 | \$90,000 |
| Construction and Operation Superintendent | 0 Each | \$0 | |
| Hauling (9,000 CY – Worst-Case Scenario All Haul) | 9,000 CY | \$0 | \$117,000 |
| Disposal (\$40/Load Tipping Fee) | 750 Loads | \$0 | \$30,000 |
| Permitting (City of Flagstaff and ADEQ) | 2 Each | \$10,000 | |
| Engineering – Design Services | 1 Each | \$54,000 | |
| Engineering – CA&I Services | 1 Each | \$44,000 | |
| Engineering – Allowances | 4 Each | \$20,000 | |
| Flagstaff Project Administration | 0 Each | \$0 | |
| | | | |
| | | | |
| Subtotal = | | \$446,000 | \$421,000 |

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| | | | |
|-------------------|--------|--------------------|--|
| Contingency @ 10% | 1 Each | \$87,000 | |
| Bond | 1 Each | \$24,000 | |
| Insurance | 1 Each | \$24,000 | |
| Tax (45% @ 9.3%) | 1 Each | \$40,000 | |
| Total = | | \$1,042,000 | |